TROUBLESHOOTING GUIDE
6700 SERIES

OBJECTIVE:
THE OBJECTIVE OF THIS GUIDE IS TO HELP DIRECT YOUR TROUBLESHOOTING TIME TO AREAS OF THE UNIT THAT WILL HELP YOU DETERMINE IF THE CONVERTER IS FUNCTIONING PROPERLY.

No 12 vdc output → Check for blown fuses. Are fuses blown?

YES → Replace fuse with same size and rating → Unit works

NO → No 12 vdc output

Remove all fuses and check for 12vdc at the fuse block. Voltage should be @ 13.9-13.65 vdc. Voltage reading between one side of fuse holder and the chassis of converter → Voltage okay

Unit is in over current mode. There is a problem with either the battery or a connected load. Insert one fuse at a time to determine where the problem is. Over current mode is the condition where there is a load(s) connected to the converter that exceeds the current rating of the converter. This can be either be a "short" in the coach wiring or just too many things on. The output voltage will decrease as the current exceeds the rating of converter.

NO VOLTAGE PRESENT

Check that all circuit breakers are in the "on" position. The coach needs to be either plugged into shore power or running on a generator. Check the converter for proper incoming voltage. Incoming voltage should be between 105 and 130 VAC. This should be checked on the appropriate circuit in the ac wiring compartment, please refer to the nameplate for circuit identification.

VOLTAGE OKAY. DEFECTIVE CONVERTER.

No 120 VAC. Present. Correct the ac problem and recheck for proper 12 VDC output.

Power Supplies • Transformers • Converters
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Centurion 3000 Series Power Converter Trouble Shooting Guide

UNIT DOESN'T SUPPLY POWER FROM BATTERY
  \n  CHECK RIGHT HAND FUSE

\n\n\n  FUSE OK
  \n  \n  FUSE BLOWN
  \n  CHECK FOR BATTERY

\n\n\n  REPLACE FUSE
  \n  VOLTAGE ON RED WIRE
  \n  (CAUSE) EXTREMELY LOW BATTERY OR REVERSE POLARITY

\n\n\n  HAS VOLTAGE

\n\n\n  NO VOLTAGE

\n\n\n  CHECK GROUND CONNECTION (WHITE WIRE)

\n\n\n  CHECK LINE (OR) CONNECTIONS FROM BATTERY

For additional trouble shooting information, call 800/848-0558 (Master Techs, Inc.)
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NO DC OUTPUT
WHEN OPERATED ON AC POWER CORD

CHECK FOR AC VOLTAGE PRESENT AT PANEL BOARD

YES

NO TICKING SOUND

HEAR TICKING SOUND

CHECK OUTPUT FUSE(S)

PULL ALL DC FUSES

FUSE OK

FUSE(S) BLOWN

TICKING STOPS

REPLACE UNIT

REPLACE FUSES

REPLACE FUSES

ONE AT A TIME TO ISOLATE
PROBLEM LINE

TICKING DOESN’T STOP

REMOVE SHORT OR
OVERLOAD ON THAT LINE

CORRECT AC PROBLEM

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